

FLAT CAPACITOR HAVING STAKED FOILS AND EDGE-CONNECTED CONNECTION MEMBERS

Abstract of the Disclosure

5 A method of joining a connection member to a capacitor foil using a staking
tool having a tip of less than 0.030" (0.762 mm) in diameter. Another embodiment
couples multiple connection members of a capacitor together by edge-connecting each
connection member to its substantially flush neighboring connection members. In one
aspect, a capacitor includes a multi-anode stack connected at a first weld by a weld
10 joint less than 0.060" (1.524 mm) in diameter and a tab attached to one of the anodes
of the multi-anode stack at a second weld. In one aspect, an exemplary method joining
one or more foils using a staking tool having a tip of less than approximately 0.060"
(1.524 mm) in diameter. In another aspect, a capacitor including a capacitor case
having an electrolyte therein and a high formation voltage anode foil having a porous
15 structure and located within the capacitor case.

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